

## **Australian Iron Ore**

Art. ID                      RRM-Fe-101-1KG  
Unit                         1 kg  
Deliverydetails            No Dangerous Good /not restricted

### Description

Elements and Oxides determined as follows: Multi-element Iron Ore Suite - XRF fused disc analysis /// Loss on Ignition - Thermo Gravimetric Analysis

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Corrected for moisture according to ISO2596:20 06	Iron (Fe)	[7439-89-6]	58,18	%		
Corrected for moisture according to ISO2596:20 06	Iron (Fe) calculated		58,10	%		
Corrected for moisture according to ISO2596:20 06	SiO <sub>2</sub>		5,54	%		
Corrected for moisture according to ISO2596:20 06	Al <sub>2</sub> O <sub>3</sub>		2,45	%		
Corrected for moisture according to ISO2596:20 06	TiO <sub>2</sub>		0,094	%		
Corrected for moisture according to ISO2596:20 06	CaO		0,095	%		
Corrected for moisture according to ISO2596:20 06	K <sub>2</sub> O		0,026	%		
Corrected for moisture according to ISO2596:20 06	MgO	[1309-48-4]	0,106	%		
Corrected for moisture according to ISO2596:20 06	Manganese (Mn)	[7439-96-5]	0,495	%		
Corrected for moisture according to ISO2596:20	Phosphorus (P)	[7723-14-0]	0,049	%		

06	Corrected for moisture according to ISO2596:20	Sulfur (S)	[7704-34-9]	0,033	%
06	Corrected for moisture according to ISO2596:20	Loss on Ignition (L.O.I .) (371 °C)		6,66	%
06	Corrected for moisture according to ISO2596:20	Loss on Ignition (L.O.I .) (425 °C)		6,87	%
06	Corrected for moisture according to ISO2596:20	Loss on Ignition (L.O.I .) (650 °C)		7,39	%
06	Corrected for moisture according to ISO2596:20	Loss on Ignition (L.O.I .) (1000 °C)		7,66	%
06	Corrected for moisture according to ISO2596:20	Arsenic (As)	[7440-38-2]	0,007	%
06	Corrected for moisture according to ISO2596:20	Chlorine (Cl)	[7782-50-5]	0,016	%
06	Corrected for moisture according to ISO2596:20	Cobalt (Co)	[7440-48-4]	0,001	%
06	Corrected for moisture according to ISO2596:20	Copper (Cu)	[7440-50-8]	0,001	%
06	Corrected for moisture according to ISO2596:20	Lead (Pb)	[7439-92-1]	0,004	%
06	Corrected for moisture according to ISO2596:20	Zinc (Zn)	[7440-66-6]	0,006	%
06	Corrected for moisture according to ISO2596:20	Barium (Ba)	[7440-39-3]	0,004	%
06	Corrected for moisture	Chromium (Cr)	[7440-47-3]	0,003	%

according to ISO2596:20

06

Corrected for moisture	Nickel (Ni)	[7440-02-0]	0,002	%
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according to ISO2596:20

06

Corrected for moisture	Tin (Sn)	[7440-31-5]	-	%
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according to ISO2596:20

06

Corrected for moisture	Strontium (Sr)	[7440-24-6]	0,001	%
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according to ISO2596:20

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Corrected for moisture	Vanadium (V)	[7440-62-2]	0,002	%
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according to ISO2596:20

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Corrected for moisture	Zirconium (Zr)	[7440-67-7]	0,013	%
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according to ISO2596:20

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Drying to constant mass	Iron (Fe)	[7439-89-6]	57,94	%
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Drying to constant mass	Iron (Fe) calculated		57,97	%
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Drying to constant mass	SiO <sub>2</sub>		5,51	%
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Drying to constant mass	Al <sub>2</sub> O <sub>3</sub>		2,42	%
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Drying to constant mass	TiO <sub>2</sub>		0,095	%
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Drying to constant mass	CaO		0,093	%
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Drying to constant mass	K <sub>2</sub> O		0,026	%
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Drying to constant mass	MgO	[1309-48-4]	0,101	%
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Drying to constant mass	Manganese (Mn)	[7439-96-5]	0,493	%
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Drying to constant mass	Phosphorus (P)	[7723-14-0]	0,049	%
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Drying to constant mass	Sulfur (S)	[7704-34-9]	0,031	%
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Drying to constant mass	Loss on Ignition (L.O.I ) (371 °C)		6,85	%
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Drying to constant mass	Loss on Ignition (L.O.I ) (425 °C)		7,09	%
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Drying to constant mass	Loss on Ignition (L.O.I ) (650 °C)		7,62	%
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Drying to constant mass	Loss on Ignition (L.O.I ) (1000 °C)		7,89	%
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Drying to constant mass	Arsenic (As)	[7440-38-2]	0,007	%
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Drying to constant mass	Chlorine (Cl)	[7782-50-5]	0,015	%
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Drying to constant mass	Cobalt (Co)	[7440-48-4]	0,001	%
Drying to constant mass	Copper (Cu)	[7440-50-8]	0,003	%
Drying to constant mass	Lead (Pb)	[7439-92-1]	0,006	%
Drying to constant mass	Zinc (Zn)	[7440-66-6]	0,007	%
Drying to constant mass	Barium (Ba)	[7440-39-3]	0,005	%
Drying to constant mass	Chromium (Cr)	[7440-47-3]	0,005	%
Drying to constant mass	Nickel (Ni)	[7440-02-0]	0,004	%
Drying to constant mass	Tin (Sn)	[7440-31-5]	0,001	%
Drying to constant mass	Strontium (Sr)	[7440-24-6]	0,001	%
Drying to constant mass	Vanadium (V)	[7440-62-2]	0,002	%
Drying to constant mass	Zirconium (Zr)	[7440-67-7]	0,016	%